

#### Dear Colleagues,

The Institute for Digital InnovAtion (IDIA) launched its IDIA CONNECT series recently to connect Mason faculty, researchers, and students with industry and non-governmental organizations, as well as local, regional, and national government entities.

Join our second IDIA CONNECT event, where we connect you with Don Gentile.

RSVP here.

Deadline: October 17, 2022 at 5:00 pm



## = UPCOMING EVENTS =

Creating the Extended Reality of the Future with Artificial Intelligence and Computational Design



WHAT WE'LL DISCUSS:



the impact of your research, scholarship, andor creative work for promotion, renewal, and tenure. This workshop is recommended for tenured and tenure-line faculty. Participants will have the chance to win a free book On Writing Well by William Zinsser

The Zoom workshop is on November 1 from 1:00-2:30 pm.

Register here.

### WMGIC x NATO HQ Countering Disinformation Challenge

During the Challenge and over seven hours, teams will work with expert mentors in one of seven streams: Russia-Ukraine War, Public Health, Climate Change: Clean Energy, Climate Change: Climate Security, Artificial Intelligence, Gender-Based Violence, and Terrorism. Mentors will help guide students as they discuss and deliberate their proposed plan of action, and have backgrounds in government, industry, academia, and other relevant disciplines.

Each plan of action will consider NATO's existing capacity and consider what actions NATO should implement within the next 12 months. Panels of expert judges will evaluate the proposals and select one winner from each stream for a total of seven winners, who will receive \$500 each.

This challenge will be held virtually over Zoom on Friday, October 21, 202, from 8:00 am to 2:45 pm EST.

More information is available here.



WMGIC x NATO **Countering Disinformation** Challenge **October 21, 2022** 



Supply Chain of the Future



## VARIOUS OPPORTUNITIES =

### **ONR** Lecture Honorable Nickolas Guertin

Supported under ONR grant N00014-18-1-2587, the Department of Mechanical Engineering at George Mason University is pleased to invite you to the AY2022-2023 ONR Lecture to be delivered by The Honorable Nickolas Guertin.

The Hon. Nickolas H. Guertin was sworn in as Director, Operational Test and Evaluation (DOT&E) on December 20, 2021. A Presidential appointee confirmed by the United States Senate, he serves as the senior advisor to the Secretary of Defense on operational and live fire test and evaluation of Department of Defense weapon systems. For his complete biography, please visit here.

The lecture is scheduled for October 14 at 1:00 pm at Mason Square (Arlington Campus). If you intend to participate, please RSVP here.

> AY2022-2023 ONR Lecture The Honorable Nickolas H. Guertin Director, Operational Test and Evaluation Office of the Secretary of Defense

October 14, 2022 George Mason University Mason Square (Arlington Campus)



### **Mechanical Engineering**

#### MITRE October Capstones Project List

The MITRE Corporation is a non-profit engineering company that performs research and development for many departments within the US Government. As part of its University Innovation Exchange (UIX) initiative, MITRE is partnering with universities to offer technical advisors and capstones project ideas which reflect real problems facing the United States Government. The MITRE Capstones Project Portal is a web-based platform for university faculty and students to browse, select, and execute capstone projects with a MITRE technical advisor. For university students, this represents an opportunity to work on a capstone project that tackles a relevant technical challenge facing the US and serves as a potential pipeline for both internships and full-time hires.

More information and a full list of all capstone projects is available here.

### Project Cloudbank

We wanted to bring to your attention an NSF-funded project called Cloudbank to provide PIs access to cloud services. Cloudbank has negotiated contracts with AWS, Google, and Microsoft at discounted rates. In addition to cloud services, quantum computing resources have also been added.

More information is available here.

### Request For Proposal Digital Chisel

The CIA DDI is seeking white papers outlining potential solutions for managing legal holds. These legal holds require data and records to be preserved and streamlined in order to improve the records management process. White papers may be selected for formal request for proposal and, possibly, for a prototype development. The software solution would perform electronic discovery, processing, logging, inventory, audit, ingestion, document review, data recovery, and production tasks accurately and in a timely manner.

The SOO for the BAA is available here. The current CONOPS is available here.

Questions? Contact Mike Bunting at mbuntin@gmu.edu

Deadlines:

Questions are due Monday, October 17 by 5:00 pm EST.

#### White papers are due Monday, October 24 by 5:00 pm EST.

#### Postdoctoral Research Fellowships

The Division of Atmospheric and Geospace Sciences (AGS) offers 2-year Postdoctoral Research Fellowships

(PRFs) to provide opportunities for scientists early in their careers to obtain training beyond their graduate education. The AGS-PRF is intended to recognize beginning investigators of significant potential and provide them with research experiences that will broaden perspectives, facilitate interdisciplinary interactions, and establish them in positions of leadership within the scientific community.

More information is available here.

# —AWARDS —

#### **Congratulations to:**

Jones, James H. from the Criminal Investigations and Network Analysis Center for receiving the US Secret Service grant on NCFI Network Incident Response Framework Development.

Jones, James H. from the Criminal Investigations and Network Analysis Center for receiving the US Secret Service grant on Malware Reverse Engineering Curriculum Development USSS/CINA BOA Incident Response.

Jones, James H. from the Criminal Investigations and Network Analysis Center for receiving the US Secret Service grant on Counterfeit Component Detection and Counterfeit Digital Component Detection Curriculum Development.

Martin, Joel from the College of Education and Human Development for receiving the Intelligent Optical Systems, Inc. grant on Wearable Hydration Sensor Testing.

Clower, Terry Lee from the Schar School of Policy and Government for receiving the Virginia Economic Development Partnership grant on Data Center Industry Trends and Competitive Positioning in the Commonwealth of Virginia.

## = FUNDING OPPORTUNITIES —

Principles and Practice of Scalable Systems

Deadline: January 23, 2023

NSF-BSF Joint Funding Research Grants -- Information and Intelligence Systems (IIS)

Deadline: Continuous Submission

## = IDIA AFFILIATION ===

Did you know that, as an IDIA faculty affiliate, you are eligible to:

Compete for internally funded IDIA projects

Receive support for IDIA-relevant events

Become part of the dynamic multidisciplinary faculty network focused on digital techniques and technologies to advance fields as diverse as finance, education, built infrastructure, science, economics, agriculture, health, transportation, entertainment, national security, and social justice.

There is no financial burden to you or your departments for affiliation with the institute. Participation in IDIA does not prevent its members from being associated with other university centers. If you are not already affiliated, we encourage you to submit your profile here.

#### SHARE WITH US =

We are eager to hear from you! As we work with your colleges to compile updates on digital innovation-related research activities at Mason, we would love to hear about your research activities, awards, and recent publications. Please share any successes, concerns, or ideas with us at idia2@gmu.cdu





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